

What is claimed is:

1. A method for manufacturing a food additive slurry composition containing a polyvalent metal, a phosphoric acid ion, an organic acid having a carboxyl group, and an alkali metal, comprising the steps of:

preparing a precursor by mixing water, a polyvalent metal compound, and an organic acid having a carboxyl group, and

adding to the precursor a phosphoric acid source and an alkali metal in at least one method selected from the group consisting of (a), (b), (c), (d), and (e) shown below:

(a) Addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid,

(b) Simultaneous addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid, and an alkali metal salt,

(c) Simultaneous addition of phosphoric acid and/or condensed phosphoric acid, and an alkali metal salt,

(d) Addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid, and then addition of an alkali metal salt, and

(e) Addition of phosphoric acid and/or condensed phosphoric acid, and then addition of an alkali metal salt.

2. The method for manufacturing a food additive slurry composition according to claim 1, wherein the method of

addition of a phosphoric acid source and an alkali metal is either one method selected from (d) and (e).

3. The method for manufacturing a food additive slurry composition according to claim 1, wherein the molar ratio of the polyvalent metal compound, the organic acid having a carboxyl group, the phosphoric acid source, and the alkali metal is in a range of the polyvalent metal ion: the organic acid ion having a carboxyl group being 0.8 : 1 to 7 : 1, the organic acid ion having a carboxyl group: the phosphoric acid ion being 1 : 0.6 to 1 : 2.8, and the organic acid ion having a carboxyl group: the alkali metal ion being 1 : 1 to 1 : 8.

4. A method for manufacturing a food additive slurry composition, comprising the steps of:

containing 2 to 80 parts by weight of an emulsification stabilizer in 100 parts by weight of a solid content of a food additive slurry composition comprising a polyvalent metal, a phosphoric acid ion, an organic acid having a carboxyl group, and an alkali metal obtained by preparing a precursor by mixing water, a polyvalent metal compound, and an organic acid having a carboxyl group, and adding to the precursor a phosphoric acid source and an alkali metal in at least one method selected from the group consisting of (a), (b), (c), (d), and (e) shown below, and

dispersing the obtained mixed slurry by a grinding machine and/or a dispersing machine:

(a) Addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid,

(b) Simultaneous addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid, and an alkali metal salt,

(c) Simultaneous addition of phosphoric acid and/or condensed phosphoric acid, and an alkali metal salt,

(d) Addition of an alkali metal phosphate and/or an alkali metal of condensed phosphoric acid, and then addition of an alkali metal salt, and

(e) Addition of phosphoric acid and/or condensed phosphoric acid, and then addition of an alkali metal salt.

5. The method for manufacturing a food additive slurry composition according to claim 4, wherein the grinding machine and/or the dispersing machine is a wet grinding machine, a ultrasonic dispersing machine, or an emulsifying-dispersing machine.

6. A method for manufacturing a food additive powder composition, grinding and drying the food additive slurry composition obtained in the method according to any one of claims 1 to 5.

7. A food composition containing the food additive composition obtained in the method according to any one of claims 1 to 6.